

EXPRESS MAIL CERTIFICATE

Date 10/20/03 Label No. EV30662767545

I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 by "Express Mail Post Office to Addressee" service.

Pat Campbell [Signature]
Name (Print) Signature

Customer No.: 07278

Docket No.: 02650/100F807-US2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Scott S. Campbell et al.

Serial No.: Continuation of 09/937,324

Examiner: Not yet assigned

Confirmation No.: Not yet assigned

Art Unit: Not yet assigned

Filed: Concurrently herewith

For: REM SLEEP AUGMENTATION WITH EXTRA-OCULAR LIGHT

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In order to comply with 37 CFR 1.97 and 1.98, attached hereto is a copy of Form PTO-1449. All of the references were cited in the parent application (U.S. Serial No. 09/937,324, filed September 20, 2001) of the present application. Pursuant to 37 C.F.R. §1.98(d), copies of these references are not submitted herewith.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing Form PTO-1449 next to the document. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

This submission is filed before a first action on the merits has been mailed after the filing of a Continuing application. Thus, no fee is believed to be due.

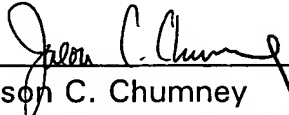
The present Information Disclosure Statement is being submitted in compliance with 37 CFR 1.56, but the citation of such document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104(a) and in the course of each search, will review for

relevance every document cited on the attached form even if not initialed.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

Dated: October 20, 2003



Jason C. Chumney
Registration No. 54,781
Agent for Applicant(s)

DARBY & DARBY
Post Office Box 5257
New York, NY 10150-5257
(212) 527-7700

LIST OF REFERENCES CITED BY APPLICANT

(Use Several Sheets If Necessary)

Docket No.: 02650/100F807-US2

SERIAL NO. Cont. of 09/937,324

APPLICANT: Scott S. Campbell et al.

FILING DATE: Concurrently herewith

CONFIRMATION NO: Not yet assigned

U.S. PATENT DOCUMENTS

<u>*EXAMINER</u> <u>INITIALS</u> <u>DATE</u>	<u>DOCUMENT</u> <u>NUMBER</u>	<u>DATE</u>	<u>NAME</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>FILING</u>
	1. 5,899,206	05/04/99	La Chappelle-Reynolds	128	846	10/25/96
	2. 5,766,233	06/16/98	Thiberg	607	88	01/19/95
	3. 5,716,978	02/10/98	Lewy et al.	514	415	05/30/95
	4. 5,648,656	07/15/97	Begemann et al.	250	214	11/13/95
	5. 5,616,140	04/01/97	Prescott	606	10	03/21/94
	6. 5,589,741	12/31/96	Terman et al.	315	159	04/19/94
	7. 5,562,719	10/08/96	Lopez-Claros	607	88	03/06/95
	8. 5,503,637	04/02/96	Kyricos et al.	607	88	10/28/92
	9. 5,489,279	02/06/96	Meserol	604	290	03/12/94
	10. 5,447,528	09/05/95	Gerardo	607	88	03/07/94
	11. 5,343,121	08/30/94	Terman et al.	315	158	05/22/90
	12. 5,327,331	07/05/94	Roberts	362	176	01/03/92
	13. 5,304,212	04/19/94	Czeisler et al.	607	88	01/10/92
	14. 5,292,345	03/08/94	Gerardo	607	88	10/30/89
	15. 5,242,941	09/07/93	Lewy et al.	514	416	02/25/92
	16. 5,197,941	03/30/93	Whitaker	600	27	07/30/91
	17. 5,176,133	01/05/93	Czeisler et al.	128	395	06/15/89
	18. 5,169,380	12/08/92	Brennan	600	26	03/05/91
	19. 5,167,228	12/01/92	Czeisler et al.	128	395	05/09/90
	20. 5,167,133	12/01/92	Schmidt	66	9	12/10/90
	21. 5,163,426	11/17/92	Czeisler et al.	128	395	06/26/87
	22. 5,149,184	09/22/92	Hughes et al.	362	1	01/19/90
	23. 5,140,562	08/18/92	Moore-Ede et al	368	76	03/13/91
	24. 5,086,770	02/11/92	Prangley	128	395	02/19/91
	25. 5,079,682	01/07/92	Roberts	362	276	07/18/88
	26. 5,047,006	09/10/91	Brandston et al.	600	21	11/06/89
	27. 5,000,752	03/19/91	Hoskin et al.	606	9	06/19/89
	28. 4,893,291	01/09/90	Bick et al.	368	10	08/26/88
	29. 4,858,609	08/22/89	Cole	128	395	12/04/87
	30. 4,600,723	07/15/86	Short et al.	514	416	05/18/84
	31. 3,670,193	06/13/72	Thorington et al.	313	108	05/14/70
	32. 5,358,503	10/25/94	Bertwell et al.	606	27	01/25/94
	33. 5,300,097	04/05/94	Lerner et al.	607	93	09/19/92
	34. 6,135,117	10/24/00	Campbell et al.	128	898	05/07/98
	35. 5,259,830	11/09/93	Masuda	600	27	02/26/92
	36. 5,441,528	08/15/95	Chang et al.	607	69	09/25/92
	37. 5,545,192	08/13/96	Czeisler et al.	607	88	11/28/94
	38. 5,824,024	10/20/98	Dial	607	88	05/03/96

{W:\02650\100F807-US2\00073755.DOC }W:\02650\100F807-US2\00073755.DOC

02650/100F807-US2

FOREIGN PATENT DOCUMENTS

<u>*EXAMINER INITIALS DATE</u>	<u>DOCUMENT NUMBER</u>	<u>DATE</u>	<u>COUNTRY</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>FILING</u>
	39. 0 469 227 A1	02/05/90	Europe			
	40. 0 736 307 A2	10/09/96	Europe			
	41. GB 233,962	05/21/25	Europe			
	42. WO 95/19809	07/27/95	PCT			
	43. WO 95/25563	09/28/95	PCT			
	44. WO 98/51372	11/19/98	PCT			

OTHER REFERENCES

(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)

*EXAMINER
INITIALS

45. The Neuroscientist, Vol. 2, pp. 207-210, 1996, Dan A. Oren, "Humoral Phototransduction: Blood is a Messenger".
46. Laboratory of Human Chronobiology, Department of Psychiatry, Cornell University Medical College Scott Campbell and Patricia Murphy, "Extraocular Circadian Phototransduction in Humans" submitted to Science 08/11/97.
47. M.F. Bennett, Waterville, Maine, Chapter 11, "Extra Light Receptors and Circadian Rhythms," (1979).
48. Cell & Tissue Research, Vol. 285, No. 3, September 1996, Stefan Reuss, "Compounds and Connections of the Circadian Timing System in Mammals".
49. Expansion Scientifique Francaise, Pathologie Biologie, Vol. 44, No. 6, June 1996, Synchronisation ET Dyschronisme Des Rythmes Circadiens Humains".
50. Brazilian Journal of Medical and Biological Research, Vol. 29(1) 1-1148, January 1996, D.A. Golombek and M.R. Ralph, "Let There Be Light: Signal Transduction In a Mammalian Circadian System".
51. Experientia, Vol. 50, No. 8, B. Iyengar, "Indoleamines and the UV-Light-Sensitive Photoperiodic Responses of the Melanocyte Network: A Biological Calendar", 1994.
52. The New England Journal of Medicine, Vol. 332, January 5, 1995, No. 1, Czeisler, Charles A., "Suppression of Melatonin Secretion In Some Blind Patients By Exposure To Bright Light".
53. Current Directions In Psychological Science, Vol. 2, No. 2, Page 34-39, April 1993, Russel G. Foster, "Photoreceptors and Circadian Systems".
54. Acta Anatomica, August 1992; 144:332-335, B. Iyengar, "Melanocytes-A UV-Sensitive Neural Network and Circadian Rhythms".
55. Nature International Weekly Journal of Science, Vol. 350, No. 6313, March 1991, A.T. Winfree, p.18, "Resetting The Human Clock".
56. The New Journal of Medicine, Vol. 322, May 1990 No. 18, p.1306-1308, owned and Published by Massachusetts Medical Society, "Strategies For Resetting The Human Circadian Clock".
57. Science, Vol. 244, June 1989, pp 1328-1333, Charles A. Czeisler et al. "Bright Light Inductions of Strong (Type 0) Resetting of the Human Circadian Pacemaker".
58. Am/Psychiatry 144:6, June 1987 pp 753-757, Thomas A. Wehr, "Eye Versus Skin Phototherapy of Seasonal Affective Disorder".
59. Science, Vol. 233, August 1986, pp 667-678, "Bright Light Resets the Human Circadian Pacemaker Independent of the Timing of the Sleep-Wake Cycle".
60. Perceptual and Motor Skills, Oct. 1985, 61, 343-354, Richard Woodhouse, "Responses of Albino and Hooded Rats to Various Illumination Choices in a Six-Chambered Alleyway".
61. Dermatologica, 166:186-191, 1983, Altmeyer, et al. "Beeinflussung Endokrinologischer Parameter Durch UV-Ganzbestrahlungen".
62. The Anatomical Record, Jan. 1973, Scheving et al. "The Persistence of a Circadian Rhythm in Histamine Response in Guinea Pigs Maintained Under Continuous Illumination".
63. Photochemistry and PhotoBiology, Yearly Review, Vol 29, pp. 189 196, J.J. Wolken and Mogus, "Extra-Ocular Photosensitivity", (1979).

{W:\02650\100F807-US2\00073755.DOC }W:\02650\100F807-US2\00073755.DOC

02650/100F807-US2

OTHER REFERENCES
(INCLUDING AUTHOR, TITLE DATE, PERTINENT PAGES, ETC.)

Continued

*EXAMINER
INITIALS

64. Physiology and Behaviour an International Journal Vol. 38, No. 4, 1986, pp. 571-574, Thomas J. Savides et al. "Natural Light Exposure of Young Adults".
65. Campbell, et al., "Extraocular Circadian Phototransduction in Humans," Science, 279:376-9, Jan. 16, 1998.
66. Bloch, et al., "Interaction between Post-Trial Reticular Stimulation and Subsequent Paradoxical Sleep in Memory Consolidation Processes," in Neurobiology of Sleep and Memory, Drucker-Colin and MacGaugh, eds., New York: Academic Press, 1977, pp. 255-72.
67. Drucker-Colin, et al., "Increasing PGO spike density by auditory stimulation increases the duration and decreases the latency of rapid eye movement (REM) sleep," in Brain Research, 278:308-12, 1983.
68. Guerrien, et al., "Enhancement of Memory by Auditory Stimulation During Postlearning REM Sleep in Humans," in Physiology & Behavior, 45: 947-50, 1989.
69. O. Mandai, et al., "REM Sleep Modifications after a Morse Language Learning Session," in Sleep '86, Koella, Obal, Schulz & Visser eds., New York: Gustav Fischer Verlag, 1988, pp. 382-84.
70. H. Merchant-Nancy, et al., "Brain Distribution of c-fos expression as a result of prolonged rapid eye movement (REM) sleep period duration," in Brain Research, 681: 15-22, 1995.
71. J. Vazquez, et al., "The Effects of Sensory Stimulation on REM Sleep Duration," Sleep, 21:138-42, 1998.
72. A. Borbely & H.U. Neuhaus, "Circadian Rhythm of Sleep and Motor Activity in the Rat During Skeleton Photoperiod, Continuous Darkness and Continuous Light," in J. of Comparative Physiology, 128:37-46, 1978.
73. L. De Gennaro, et al., "Increase of REM Duration and Decrease of REM Latency after a Prolonged Test of Visual Attention," in J. Neuroscience, 82: 163-68, 1995.
74. International Search Report dated June 1, 2001 received in International Application No. PCT/US00/18870.

*EXAMINER
INITIALS

EXAMINER: _____ DATE CONSIDERED: _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.